

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\  
 Data File : BF110906.D  
 Acq On : 20 Nov 2018 20:40  
 Operator : JU/SJ  
 Sample : J5981-03DL 50X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DTW-02(11-13)MSDL

Manual Integrations  
 APPROVED

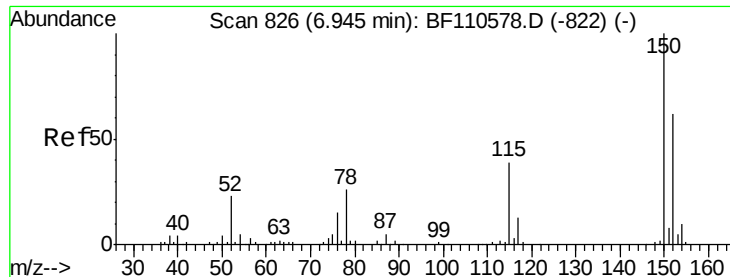
Sohil  
 11/21/2018 3:18:11 PM

Quant Time: Nov 21 05:39:57 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 12:43:10 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 54571    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.22  | 136  | 221645   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.99  | 164  | 86692    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.48 | 188  | 147438   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.13 | 240  | 114563   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.67 | 264  | 79937    | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 9136     | 2.72   | ng    | 0.03     |
| 7) Phenol-d6                | 6.59  | 99   | 12047    | 2.80   | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 7583     | 1.97   | ng    | 0.01     |
| 42) 2,4,6-Tribromophenol    | 10.79 | 330  | 2088     | 2.39   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.30  | 172  | 14028    | 2.31   | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.06 | 244  | 12618    | 2.06   | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 8.25  | 128  | 90615    | 8.709  | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.95  | 142  | 17707    | 2.596  | ng    | 96       |
| 38) 1-Methylnaphthalene     | 9.04  | 142  | 16422    | 2.503  | ng    | 92       |
| 49) Acenaphthylene          | 9.85  | 152  | 68823    | 8.202  | ng    | 98       |
| 52) Acenaphthene            | 10.02 | 154  | 19603    | 3.697  | ng    | 96       |
| 55) Dibenzofuran            | 10.19 | 168  | 45379    | 5.849  | ng    | 97       |
| 58) Fluorene                | 10.53 | 166  | 64555    | 10.833 | ng    | 99       |
| 60) Diethylphthalate        | 10.39 | 149  | 13039    | 2.037  | ng    | 99       |
| 71) Phenanthrene            | 11.50 | 178  | 346152   | 43.822 | ng    | 100      |
| 72) Anthracene              | 11.56 | 178  | 132881   | 16.677 | ng    | 99       |
| 73) Carbazole               | 11.72 | 167  | 29766    | 3.890  | ng    | 99       |
| 75) Fluoranthene            | 12.70 | 202  | 441336   | 55.730 | ng    | 98       |
| 78) Pvrene                  | 12.93 | 202  | 341537   | 38.718 | ng    | 99       |
| 81) Benzo(a)anthracene      | 14.12 | 228  | 149572   | 21.843 | ng    | 98       |
| 83) Chrysene                | 14.16 | 228  | 120518   | 18.474 | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene  | 17.26 | 276  | 45473    | 9.714  | ng    | 96       |
| 88) Benzo(b)fluoranthene    | 15.21 | 252  | 120482m  | 25.194 | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.24 | 252  | 34087m   | 7.214  | ng    |          |
| 90) Benzo(a)pvrene          | 15.60 | 252  | 80687    | 18.571 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene  | 17.26 | 278  | 14017    | 3.812  | ng    | # 80     |
| 92) Benzo(q,h,i)perylene    | 17.74 | 276  | 39629    | 10.863 | ng    | 100      |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

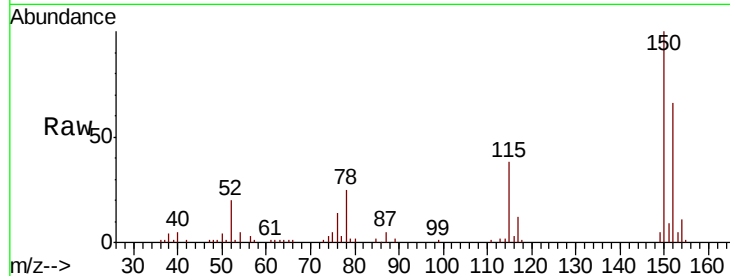
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02(11-13)MSDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 151.4 | 122.7 | 184.1 |
| 115     | 58.2  | 49.1  | 73.7  |

Manual Integrations  
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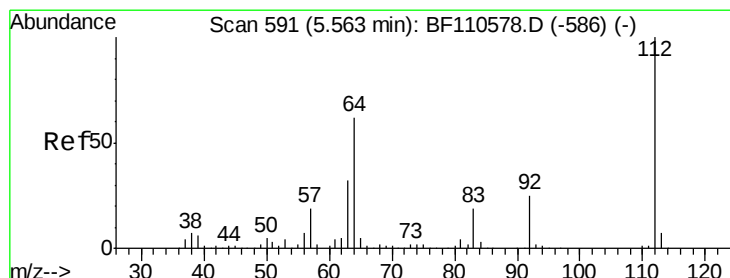
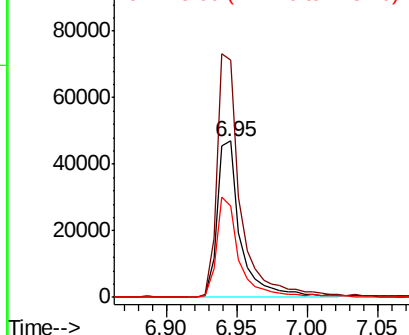
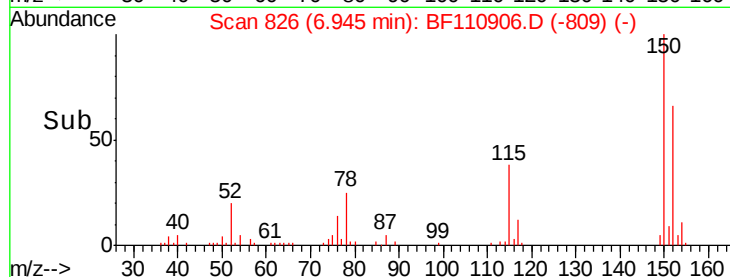


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

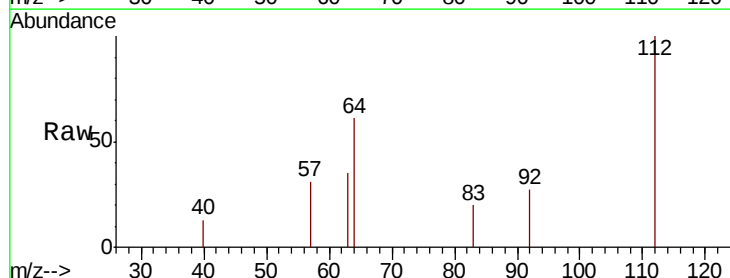
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 2.719 ng  
RT: 5.59 min Scan# 596  
Delta R.T. 0.03 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.5  | 44.1  | 66.1  |
| 63      | 35.3  | 23.7  | 35.5  |

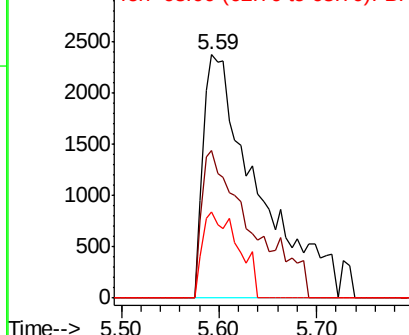
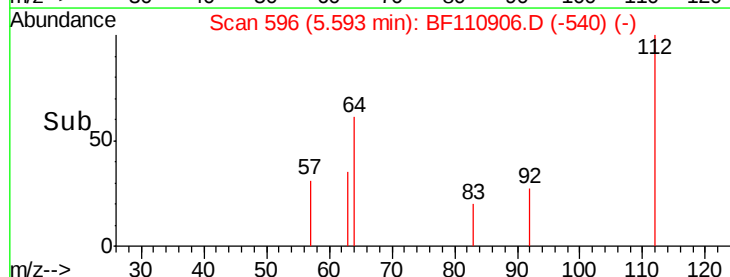


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 2.804 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.02 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

Instrument :

BNA\_F

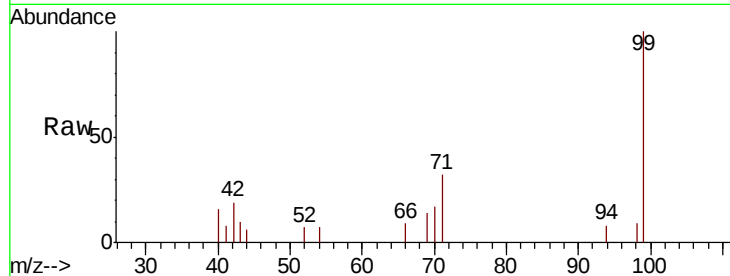
ClientSampleId :

DTW-02(11-13)MSDL

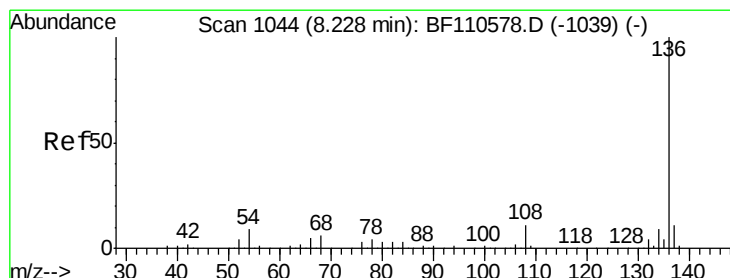
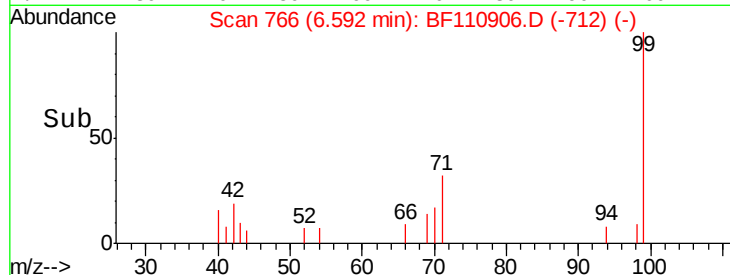
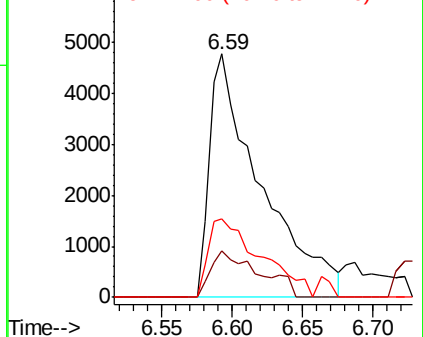
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 12047 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 19.3  | 15.8  | 23.6  |
| 71        | 32.1  | 28.0  | 42.0  |

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Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

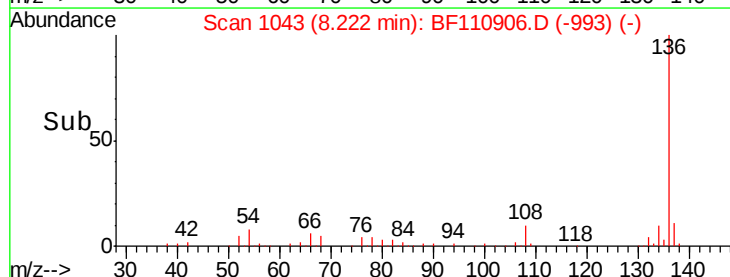
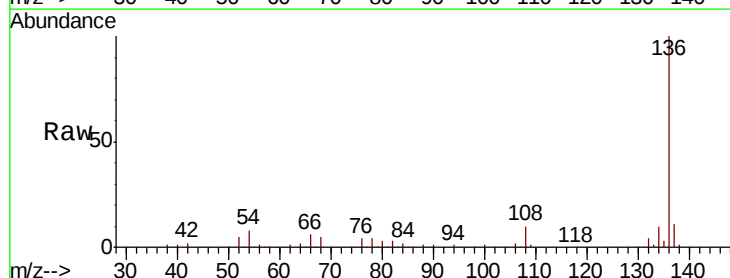
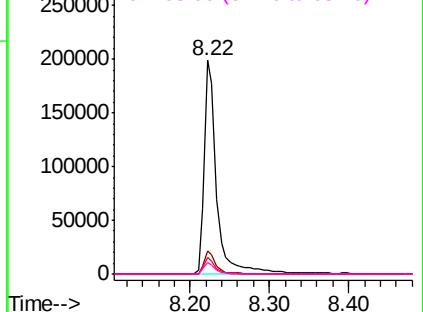
Delta R.T. -0.01 min

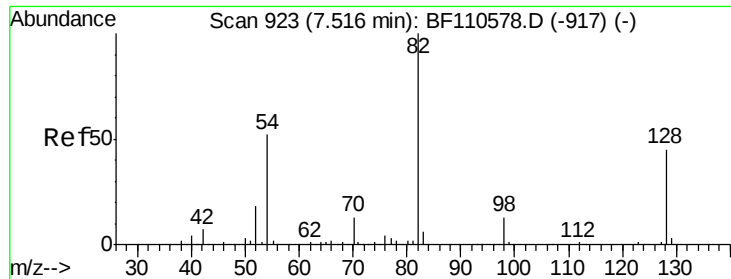
Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 221645 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.8  | 8.8   | 13.2   |
| 54        | 8.0   | 5.4   | 8.2    |
| 68        | 5.3   | 4.2   | 6.2    |

Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1





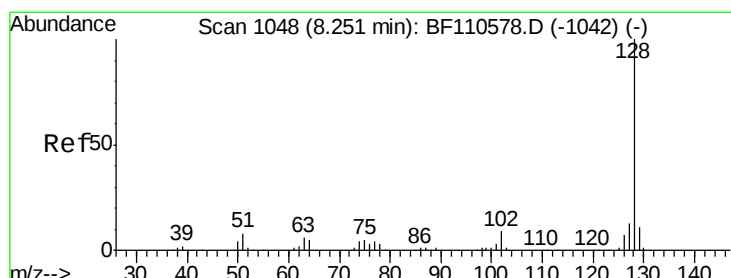
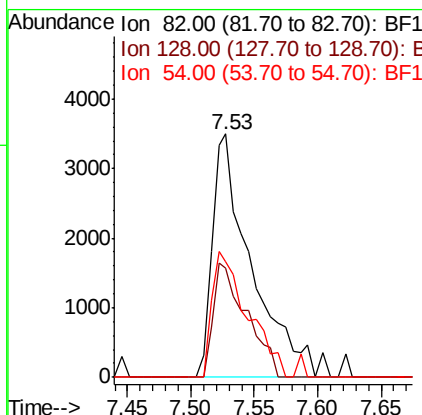
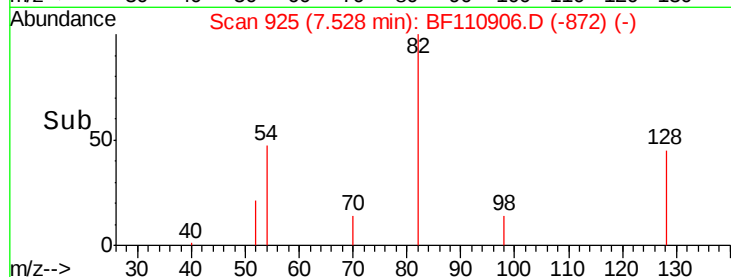
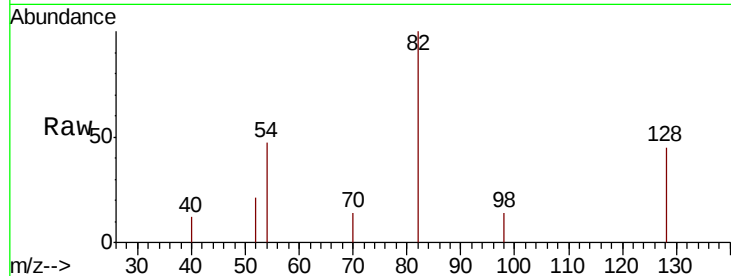
#23  
Nitrobenzene-d5  
Concen: 1.970 ng  
RT: 7.53 min Scan# 925  
Delta R.T. 0.01 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02(11-13)MSDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 44.7  | 34.2  | 51.2  |
| 54      | 47.4  | 38.6  | 58.0  |

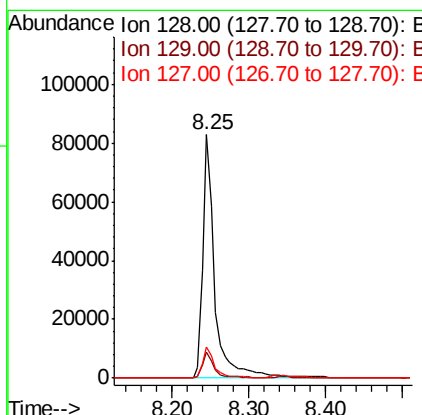
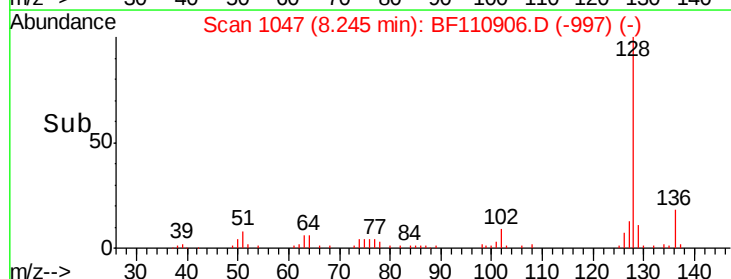
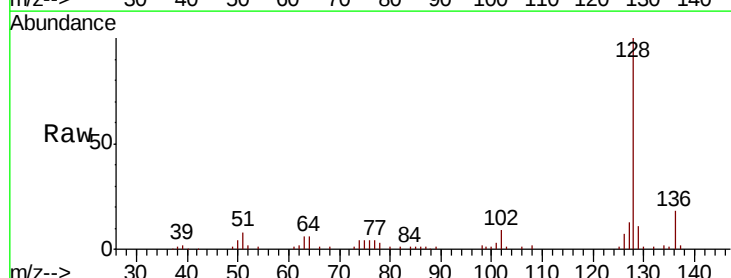
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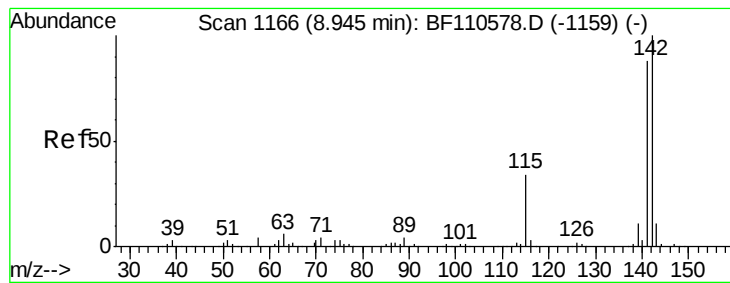
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#31  
Naphthalene  
Concen: 8.709 ng  
RT: 8.25 min Scan# 1047  
Delta R.T. -0.01 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.9  | 8.8   | 13.2  |
| 127     | 13.0  | 10.8  | 16.2  |





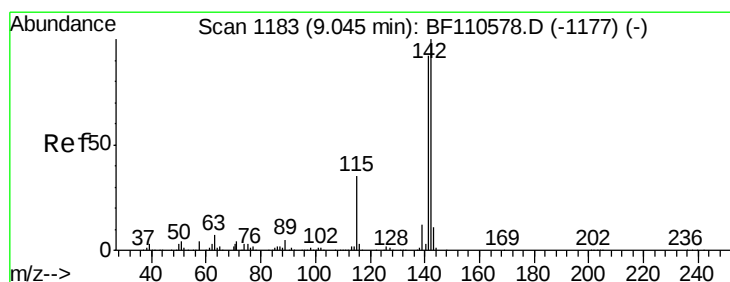
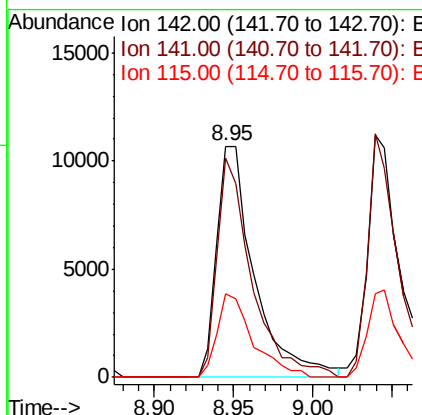
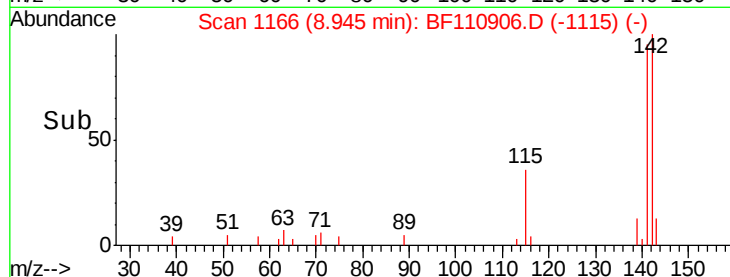
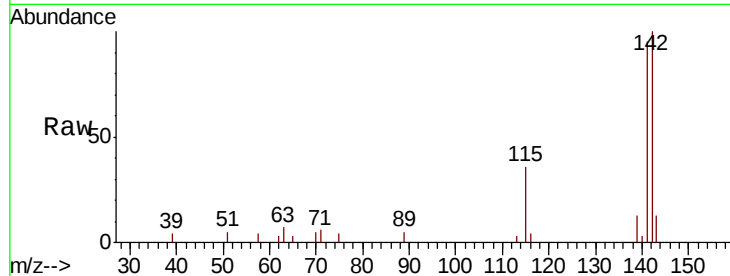
#37  
2-Methylnaphthalene  
Concen: 2.596 ng  
RT: 8.95 min Scan# 1166  
Delta R.T. 0.00 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02(11-13)MSDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 94.9  | 71.4  | 107.2 |
| 115     | 36.1  | 28.7  | 43.1  |

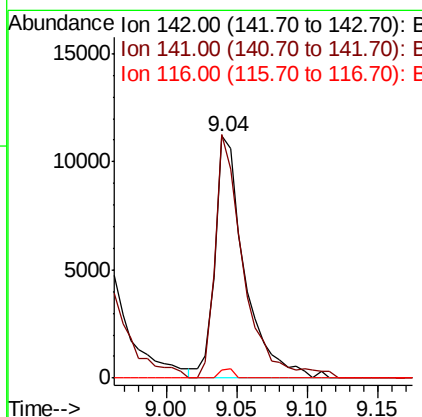
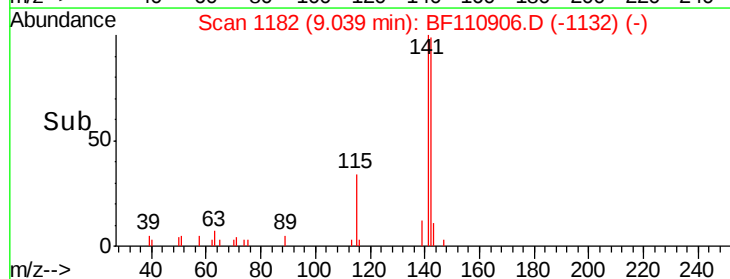
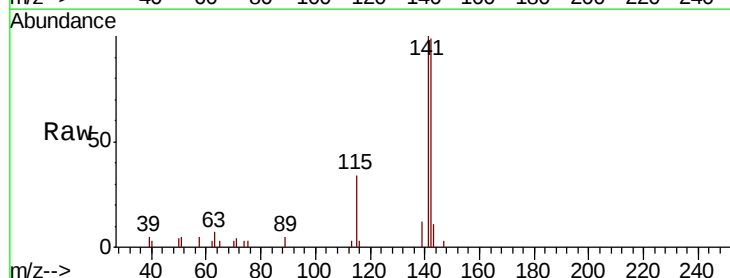
Manual Integrations  
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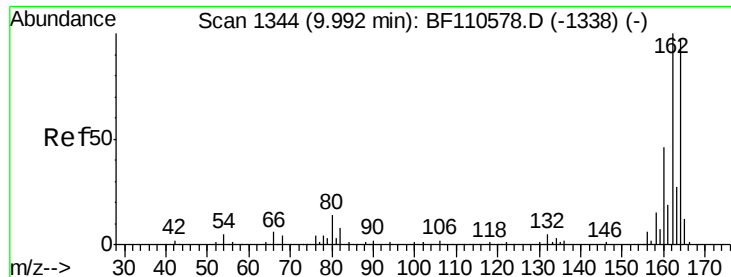
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#38  
1-Methylnaphthalene  
Concen: 2.503 ng  
RT: 9.04 min Scan# 1182  
Delta R.T. -0.01 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 100.6 | 74.2  | 111.4 |
| 116     | 3.1   | 2.6   | 4.0   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

Instrument :

BNA\_F

ClientSampleId :

DTW-02(11-13)MSDL

Tot Ion:164 Resp: 86692

Ion Ratio Lower Upper

164 100

162 105.1 83.0 124.6

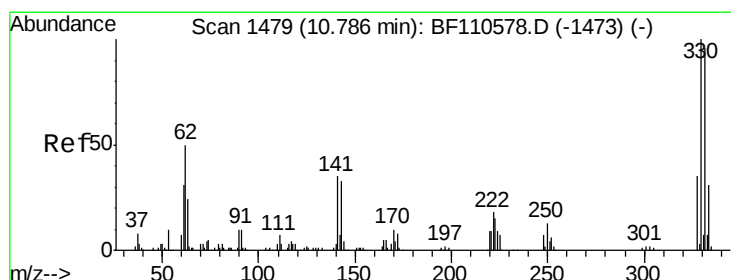
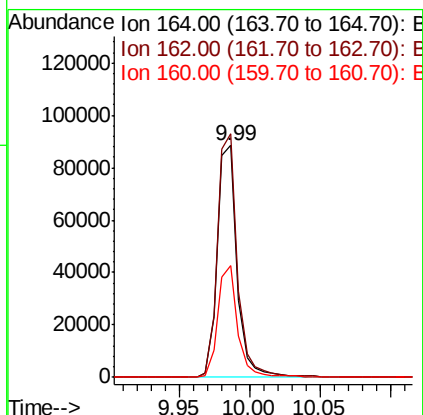
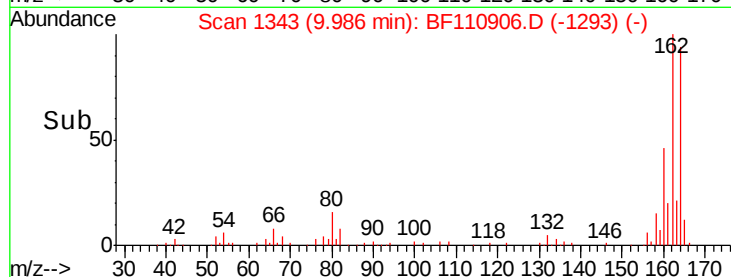
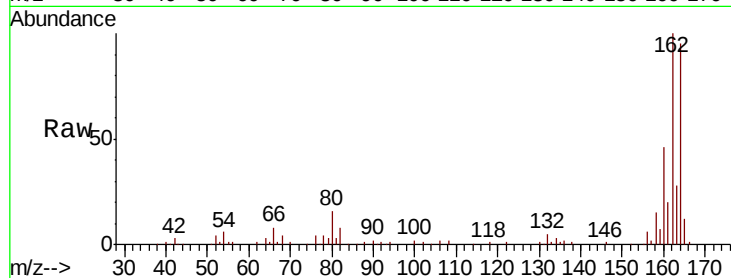
160 48.0 37.0 55.6

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 2.390 ng

RT: 10.79 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

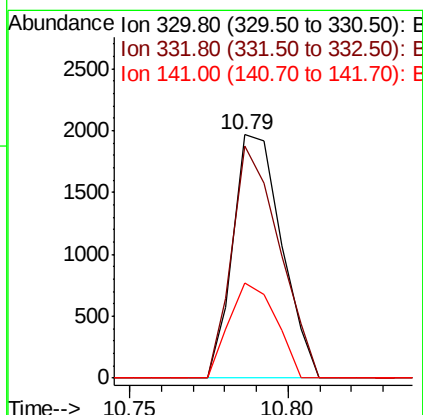
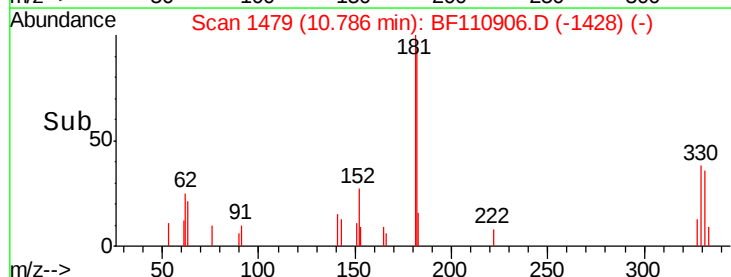
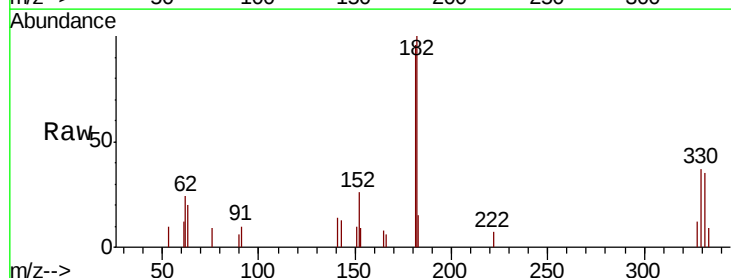
Tgt Ion:330 Resp: 2088

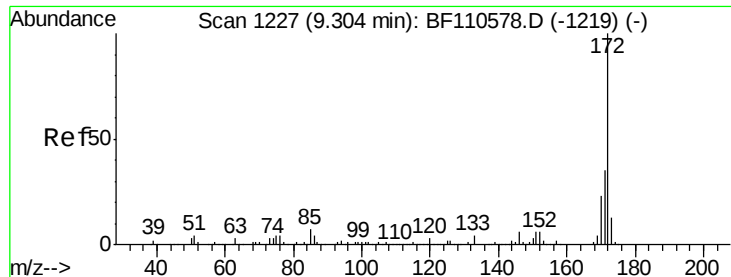
Ion Ratio Lower Upper

330 100

332 93.2 77.1 115.7

141 37.6 27.0 40.4





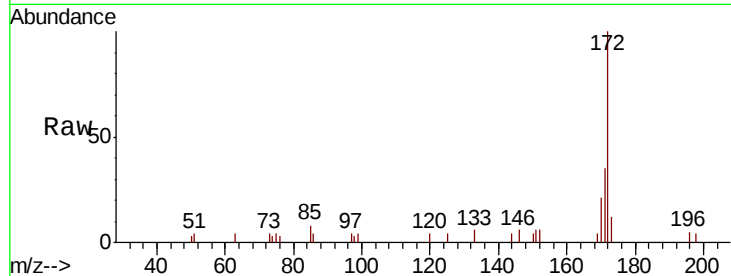
#45  
2-Fluorobiphenyl  
Concen: 2.311 ng  
RT: 9.30 min Scan# 1226  
Delta R.T. -0.01 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02(11-13)MSDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 28.6  | 43.0  |
| 170     | 21.1  | 19.7  | 29.5  |

Manual Integrations  
APPROVED

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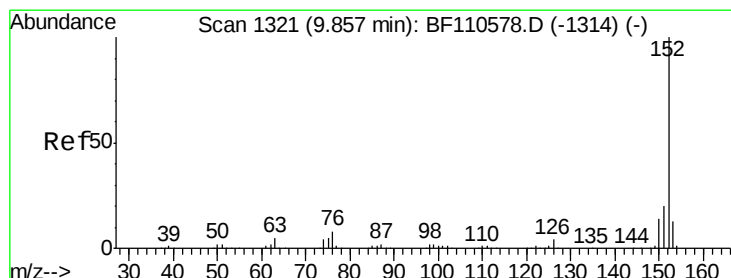
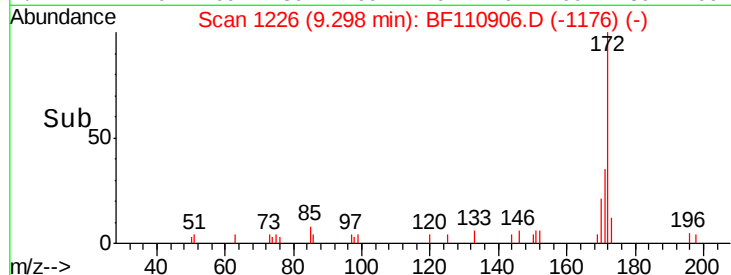
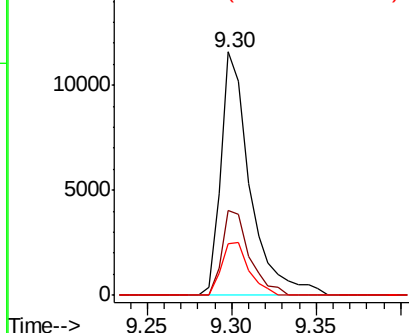


Abundance

Ion 172.00 (171.70 to 172.70): E

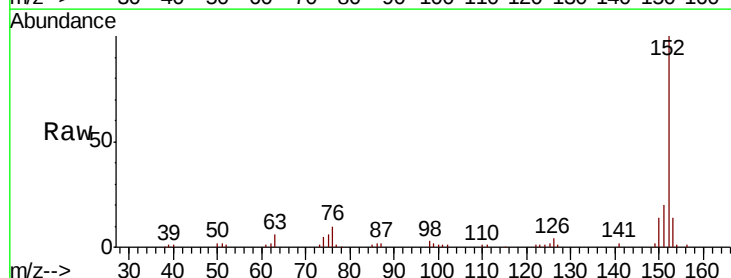
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49  
Acenaphthylene  
Concen: 8.202 ng  
RT: 9.85 min Scan# 1319  
Delta R.T. -0.01 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.6  | 15.8  | 23.8  |
| 153     | 14.4  | 10.4  | 15.6  |

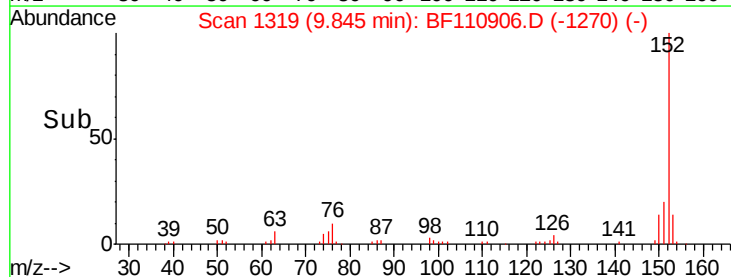
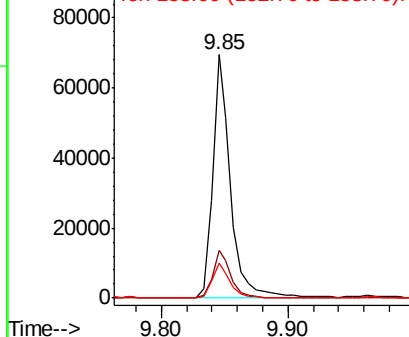


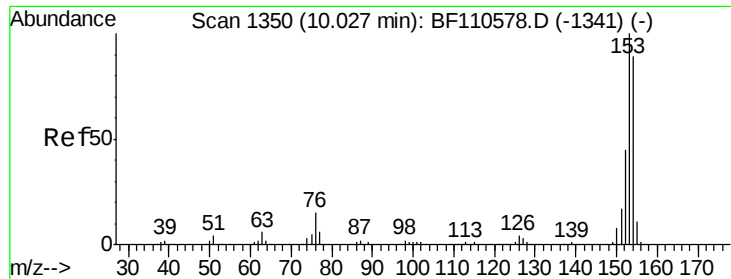
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





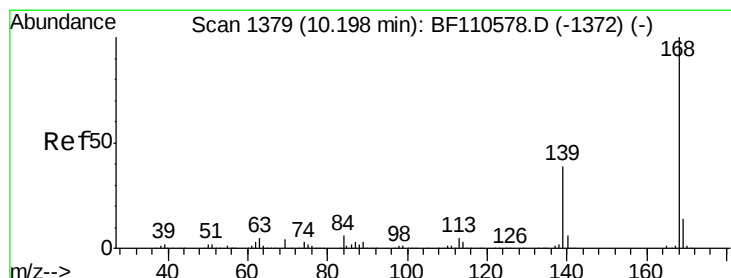
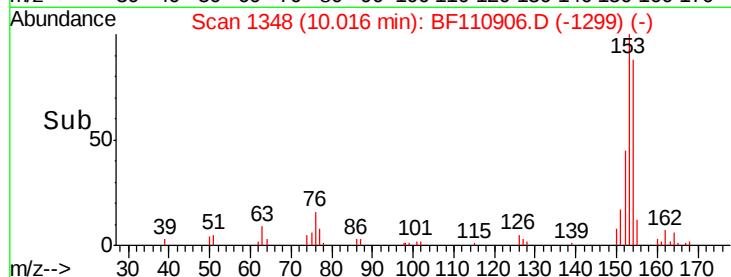
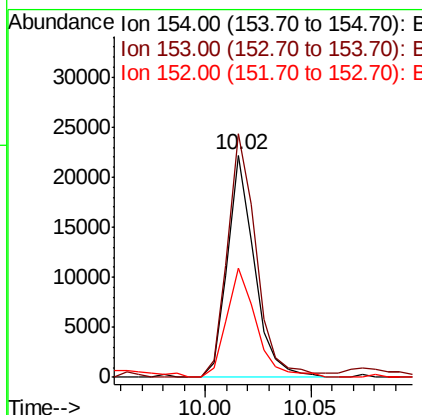
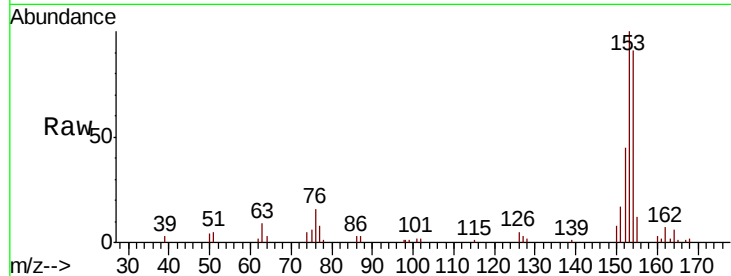
#52  
Acenaphthene  
Concen: 3.697 ng  
RT: 10.02 min Scan# 1348  
Delta R.T. -0.01 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02(11-13)MSDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 109.7 | 90.1  | 135.1 |
| 152     | 49.2  | 43.4  | 65.2  |

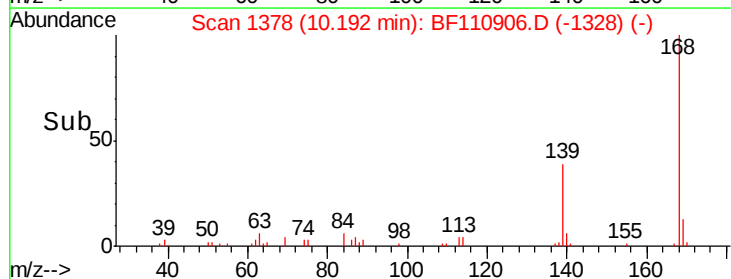
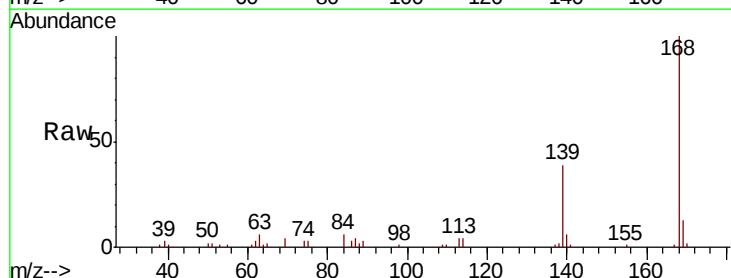
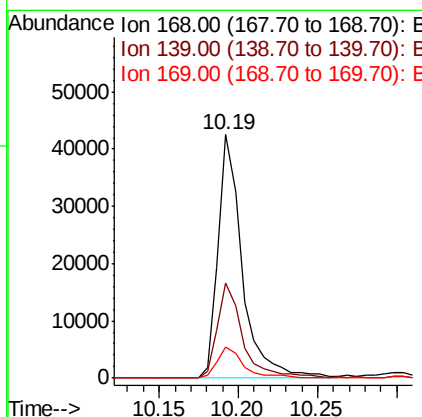
Manual Integrations  
APPROVED

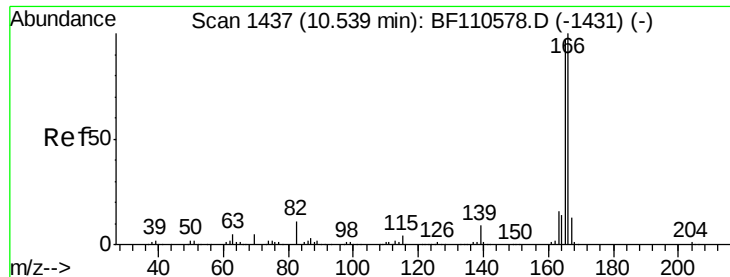
Sohil  
11/21/2018 3:18:11 PM



#55  
Dibenzofuran  
Concen: 5.849 ng  
RT: 10.19 min Scan# 1378  
Delta R.T. -0.01 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 39.2  | 33.0  | 49.6  |
| 169     | 12.7  | 11.3  | 16.9  |





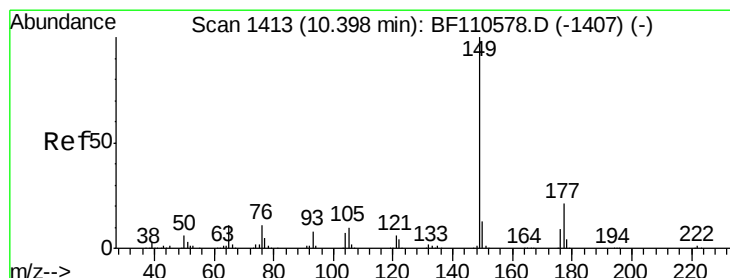
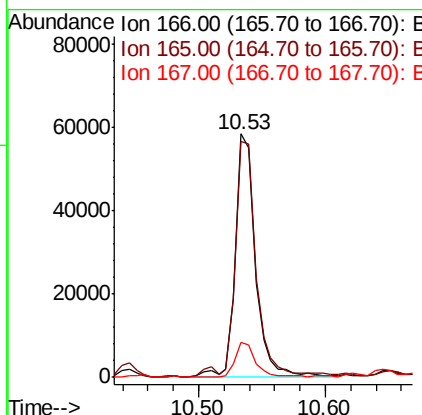
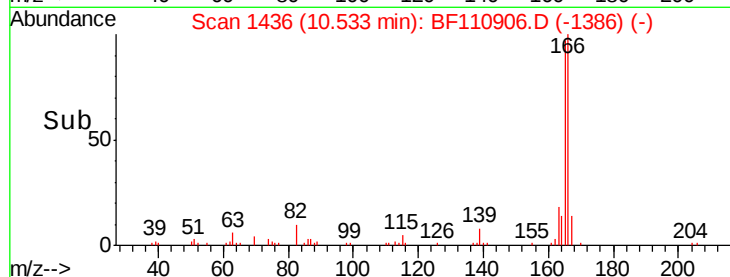
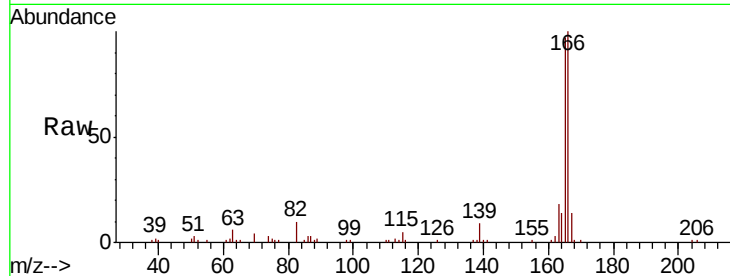
#58  
 Fluorene  
 Concen: 10.833 ng  
 RT: 10.53 min Scan# 1436  
 Delta R.T. -0.01 min  
 Lab File: BF110906.D  
 Acq: 20 Nov 2018 20:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DTW-02(11-13)MSDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.0  | 78.6  | 117.8 |
| 167     | 14.1  | 10.8  | 16.2  |

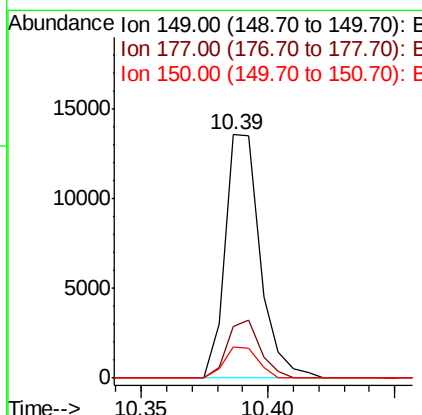
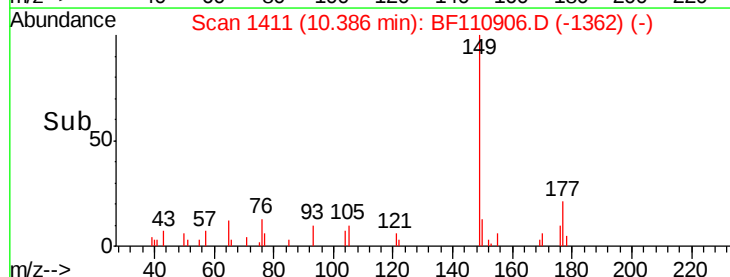
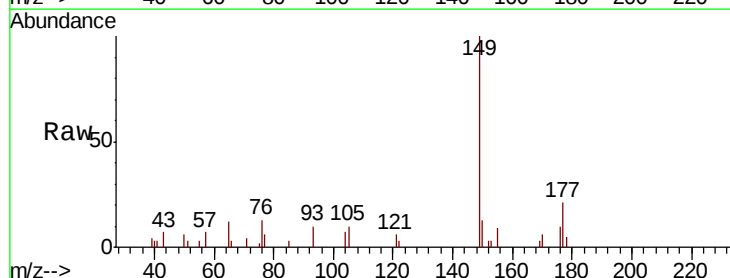
Manual Integrations  
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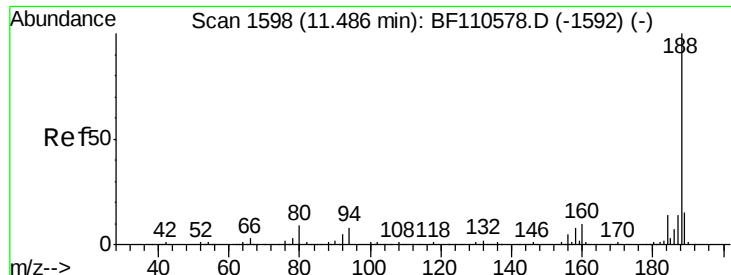
Sohil  
 11/21/2018 3:18:11 PM



#60  
 Diethylphthalate  
 Concen: 2.037 ng  
 RT: 10.39 min Scan# 1411  
 Delta R.T. -0.01 min  
 Lab File: BF110906.D  
 Acq: 20 Nov 2018 20:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.1  | 17.4  | 26.2  |
| 150     | 12.8  | 9.8   | 14.8  |





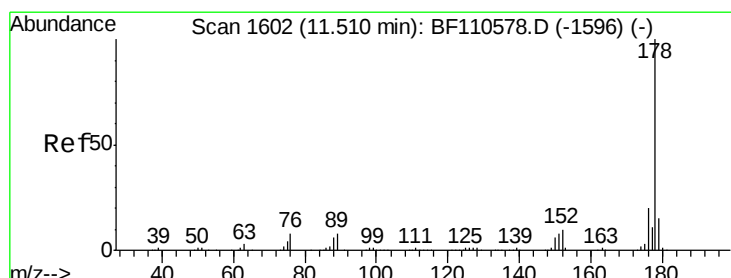
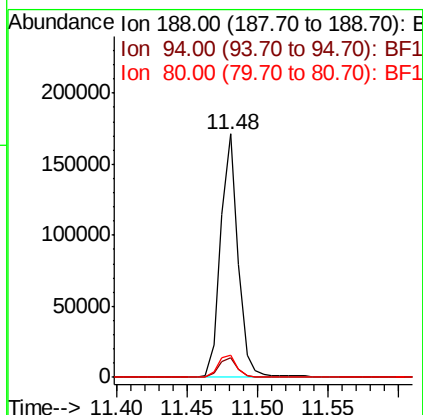
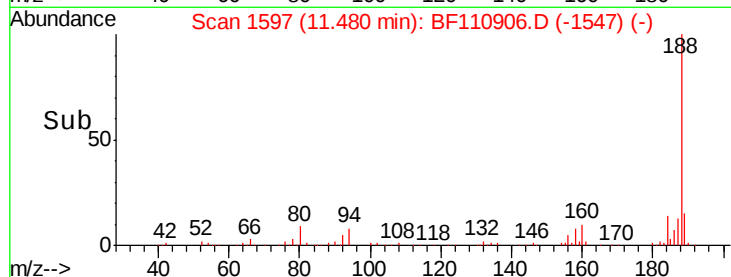
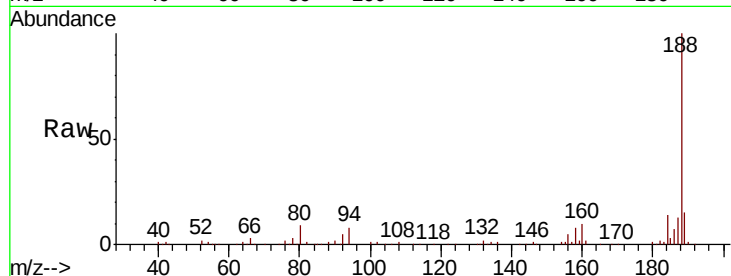
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.48 min Scan# 1597  
Delta R.T. -0.01 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02(11-13)MSDL

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 147438 |       |       |
| 94      | 7.8   |        | 7.2   | 10.8  |
| 80      | 8.9   |        | 7.9   | 11.9  |

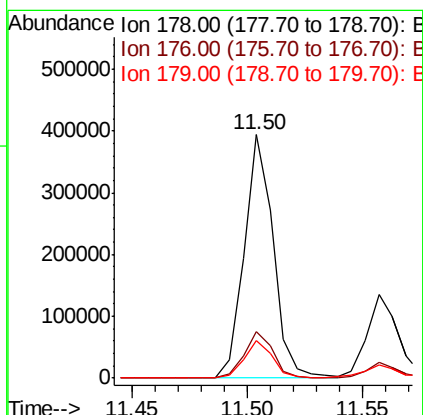
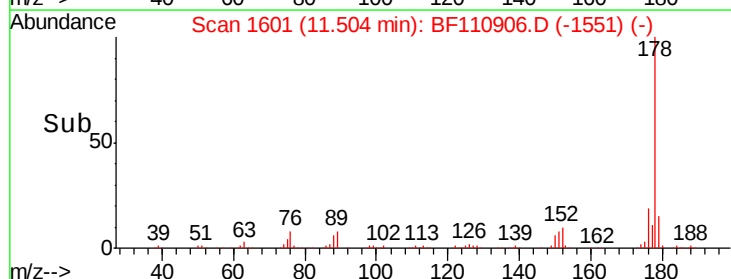
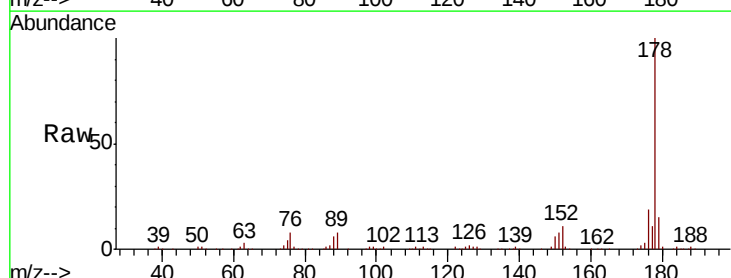
Manual Integrations  
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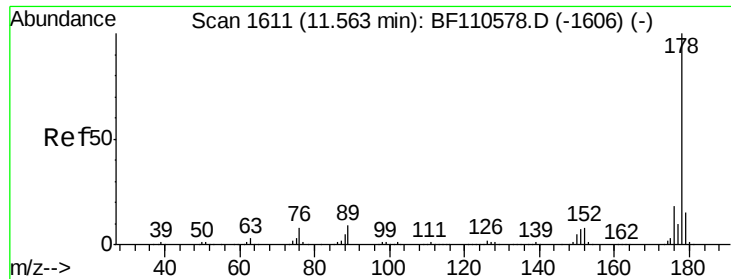
Sohil  
11/21/2018 3:18:11 PM



#71  
Phenanthrene  
Concen: 43.822 ng  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.01 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 346152 |       |       |
| 176     | 19.1  |        | 15.5  | 23.3  |
| 179     | 15.5  |        | 12.5  | 18.7  |





#72

Anthracene

Concen: 16.677 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

Instrument :

BNA\_F

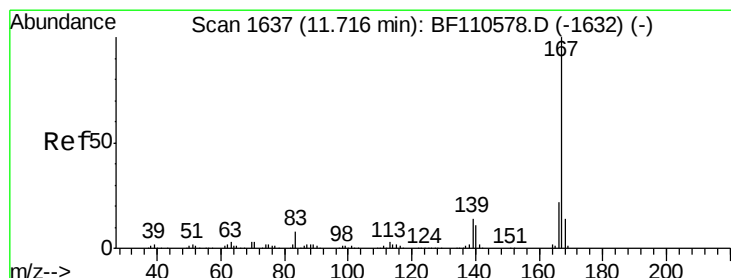
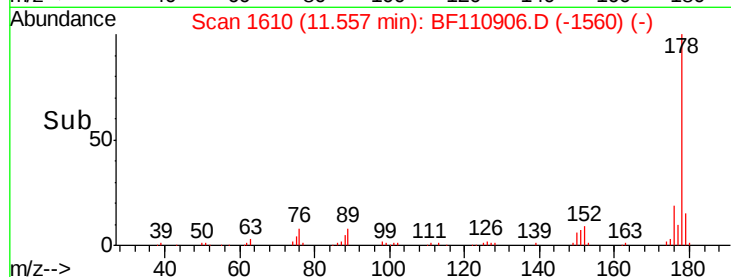
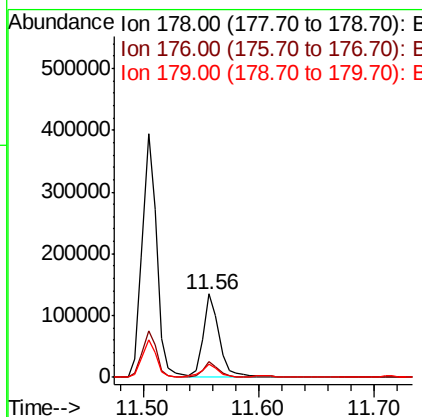
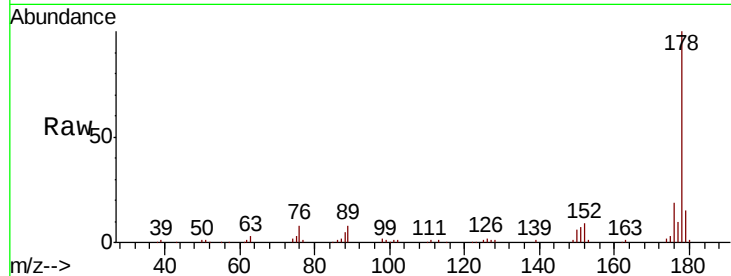
ClientSampleId :

DTW-02(11-13)MSDL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 132881 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 18.7  | 15.4  | 23.2   |
| 179       | 15.4  | 12.6  | 18.8   |

Manual Integrations  
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#73

Carbazole

Concen: 3.890 ng

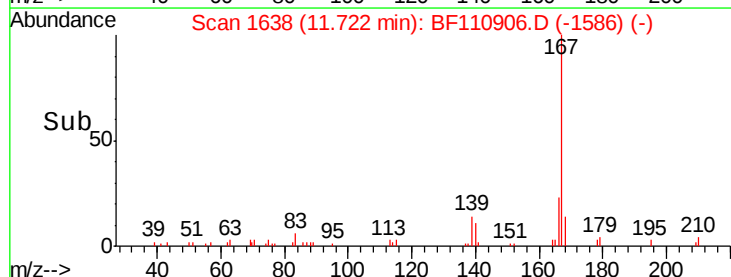
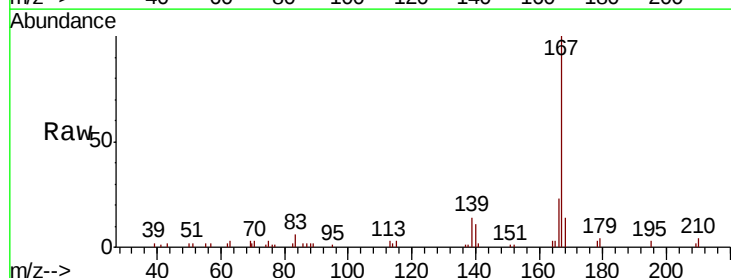
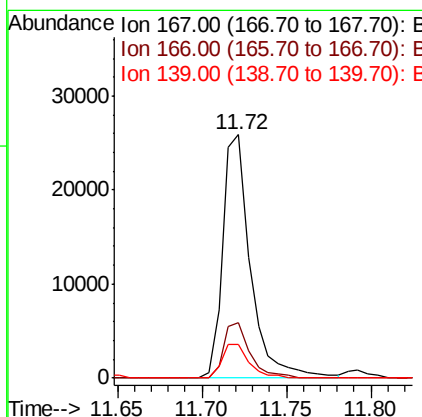
RT: 11.72 min Scan# 1638

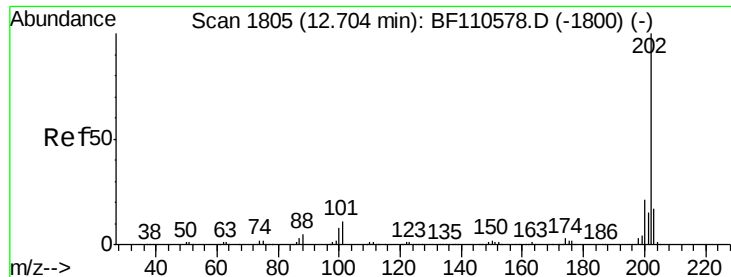
Delta R.T. 0.01 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 167   | Resp: | 29766 |
| Ion Ratio | Lower | Upper |       |
| 167       | 100   |       |       |
| 166       | 22.6  | 17.4  | 26.0  |
| 139       | 13.7  | 10.9  | 16.3  |





#75

Fluoranthene

Concen: 55.730 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.00 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

Instrument :

BNA\_F

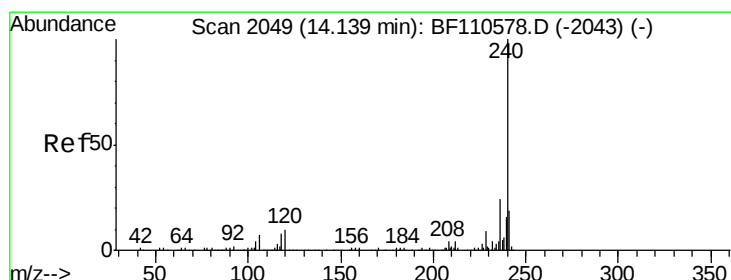
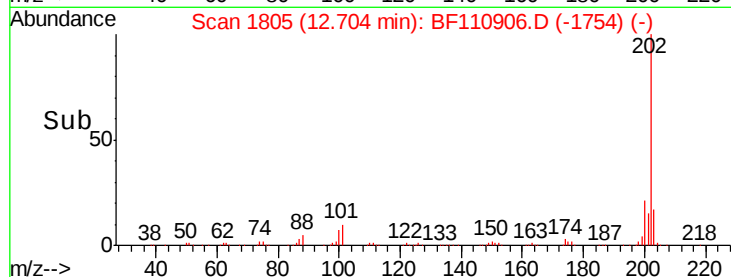
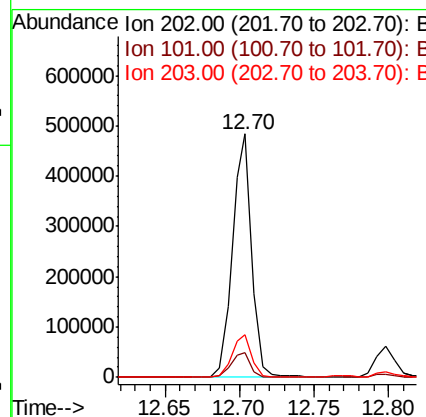
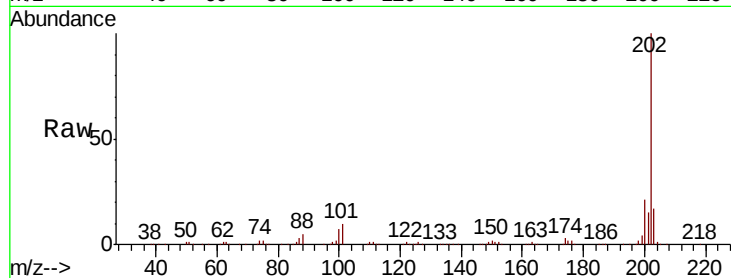
ClientSampleId :

DTW-02(11-13)MSDL

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 441336 |       |       |
| 101     | 9.9   | 0.0    | 31.4  |       |
| 203     | 17.4  | 0.0    | 37.7  |       |

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11/21/2018 3:18:11 PM



#76

Chrysene-d12

Concen: 20.000 ng

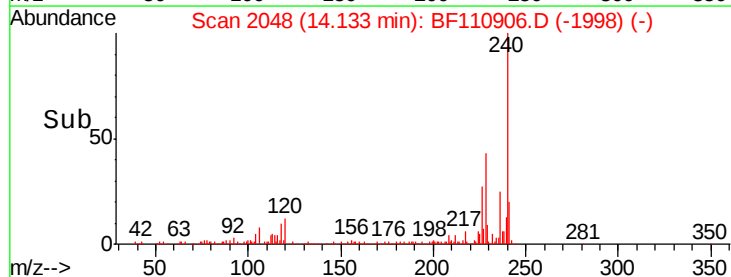
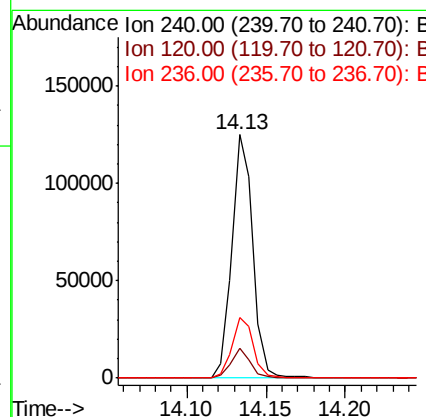
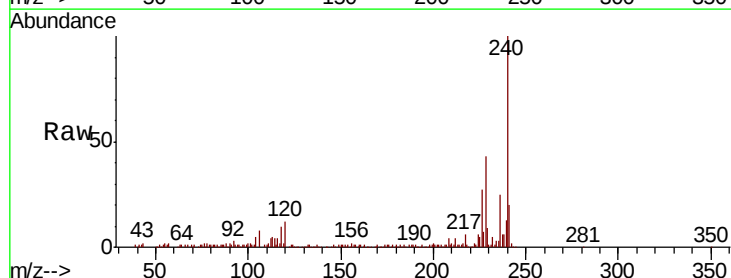
RT: 14.13 min Scan# 2048

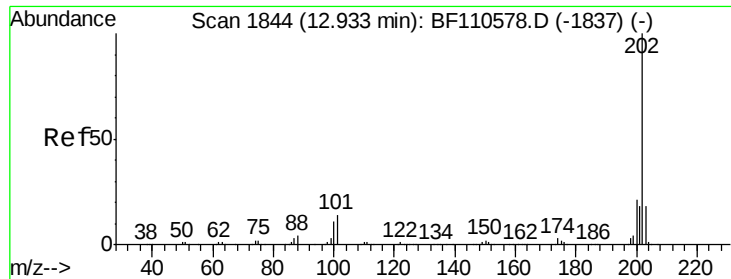
Delta R.T. -0.01 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 114563 |       |       |
| 120     | 12.0  | 8.3    | 12.5  |       |
| 236     | 24.8  | 21.2   | 31.8  |       |





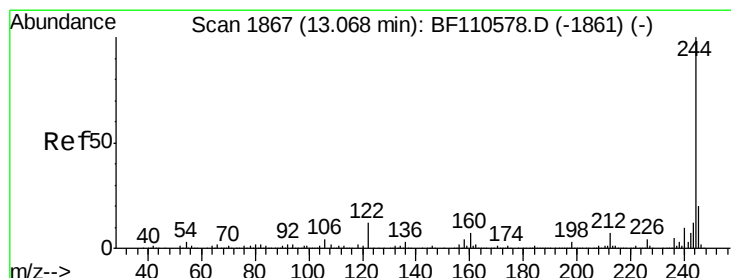
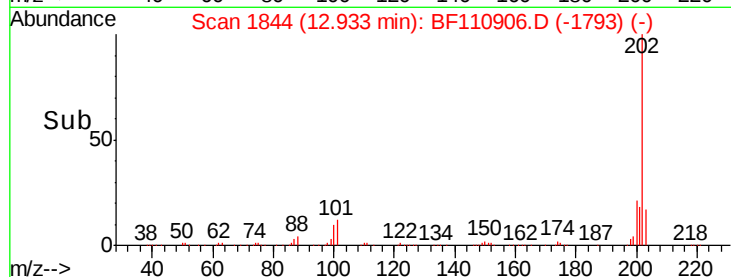
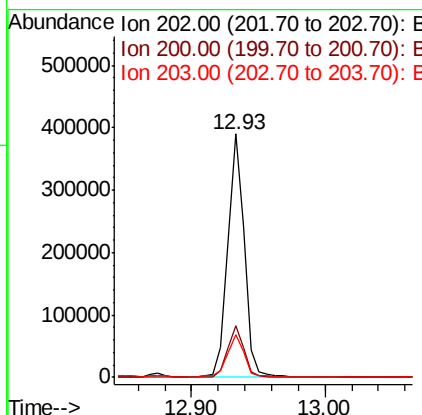
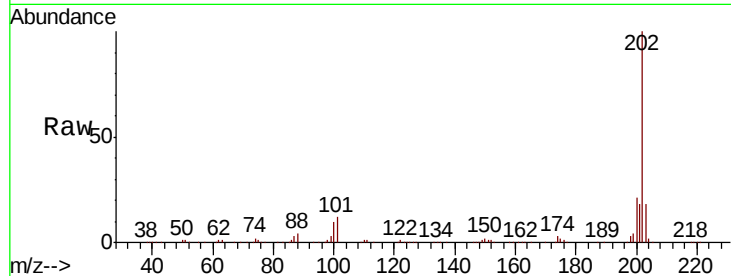
#78  
Pvrene  
Concen: 38.718 ng  
RT: 12.93 min Scan# 1844  
Delta R.T. 0.00 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02(11-13)MSDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.2  | 17.8  | 26.6  |
| 203     | 17.7  | 14.2  | 21.4  |

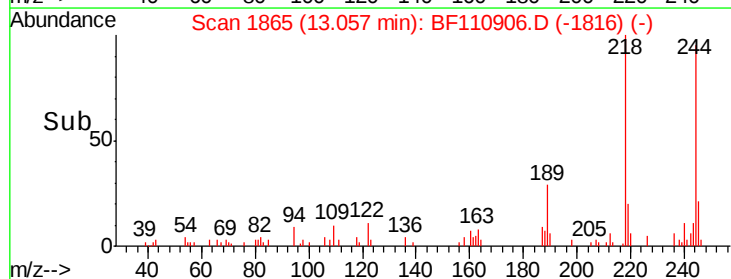
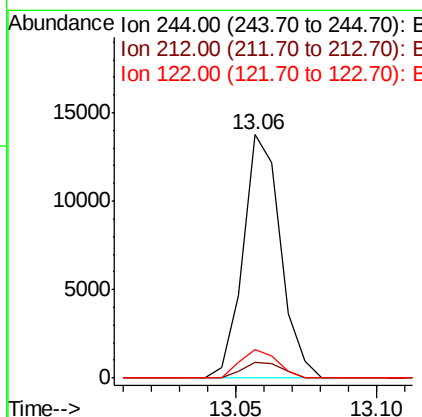
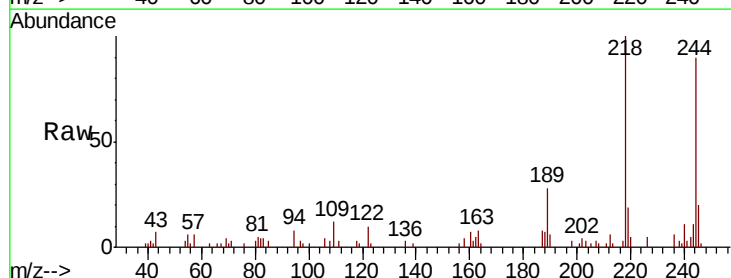
Manual Integrations  
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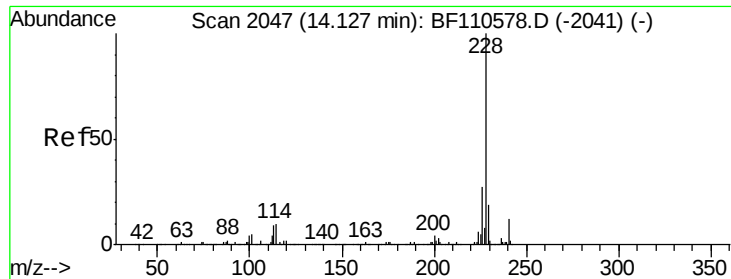
Sohil  
11/21/2018 3:18:11 PM



#79  
Terphenyl-d14  
Concen: 2.063 ng  
RT: 13.06 min Scan# 1865  
Delta R.T. -0.01 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.3   | 5.8   | 8.8   |
| 122     | 11.6  | 8.7   | 13.1  |





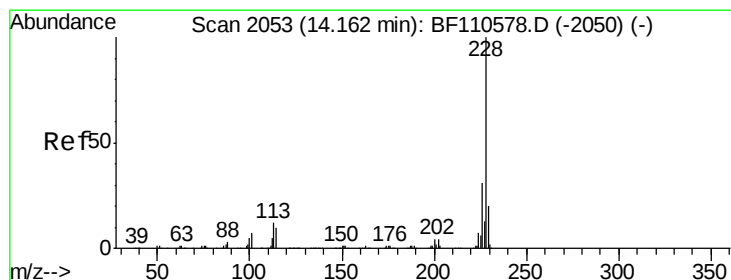
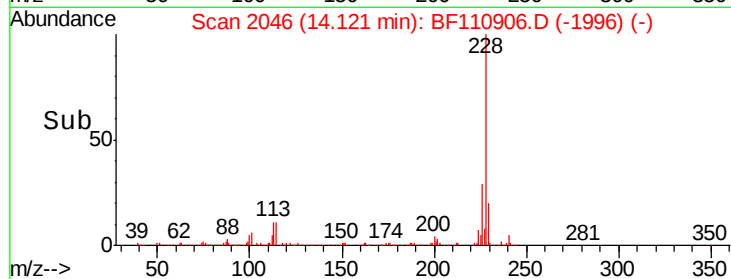
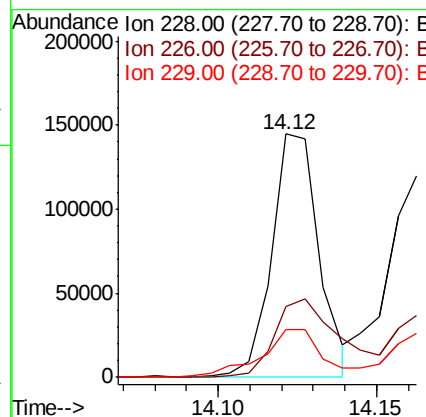
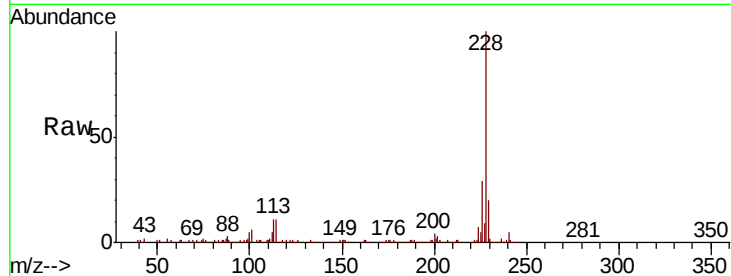
#81  
Benzo(a)anthracene  
Concen: 21.843 ng  
RT: 14.12 min Scan# 2046  
Delta R.T. -0.01 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02(11-13)MSDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.2  | 22.1  | 33.1  |
| 229     | 19.9  | 15.6  | 23.4  |

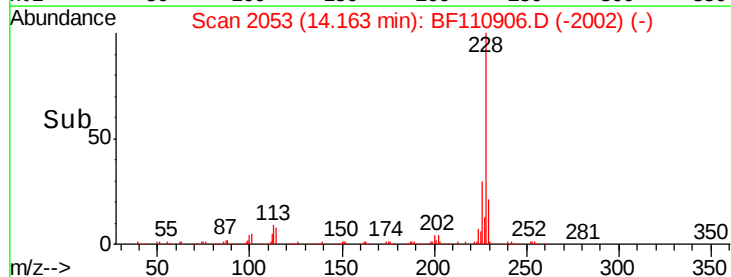
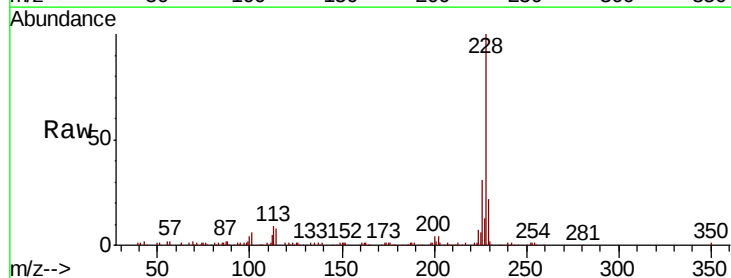
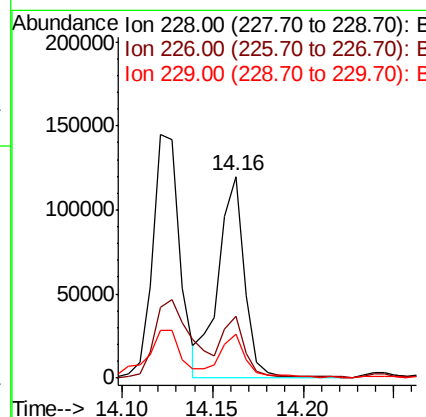
Manual Integrations  
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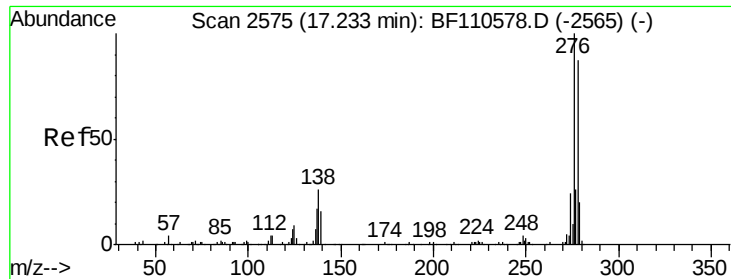
Sohil  
11/21/2018 3:18:11 PM



#83  
Chrysene  
Concen: 18.474 ng  
RT: 14.16 min Scan# 2053  
Delta R.T. 0.00 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 24.7  | 37.1  |
| 229     | 21.6  | 15.9  | 23.9  |





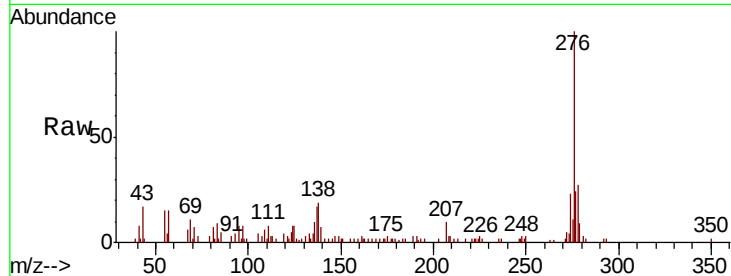
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 9.714 ng  
RT: 17.26 min Scan# 2579  
Delta R.T. 0.02 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02(11-13)MSDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.8  | 18.5  | 27.7  |
| 277     | 27.4  | 20.0  | 30.0  |

Manual Integrations  
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Sohil  
11/21/2018 3:18:11 PM

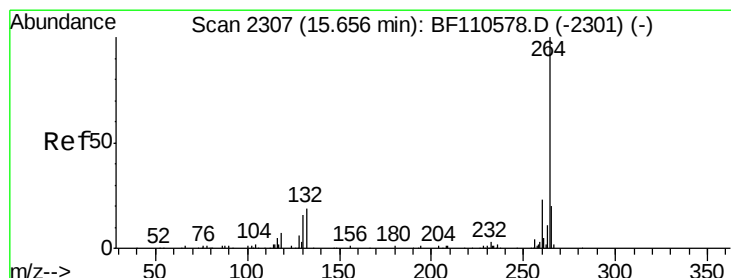
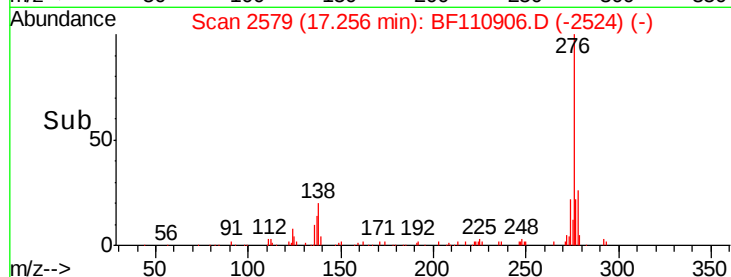
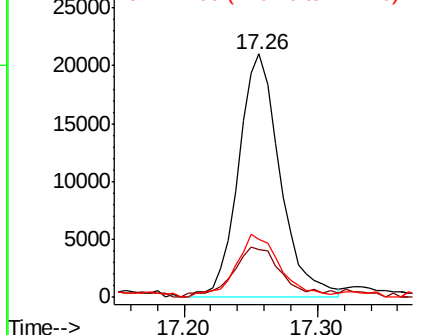


Abundance

Ion 276.00 (275.70 to 276.70): E

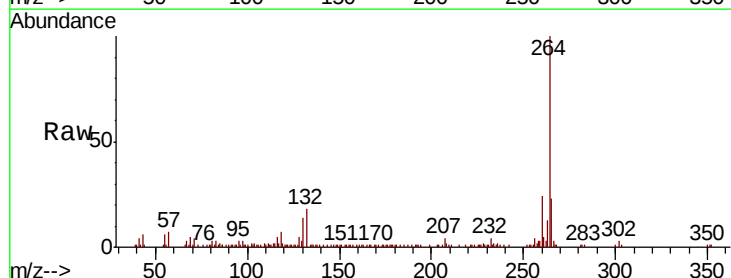
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.67 min Scan# 2309  
Delta R.T. 0.01 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 18.7  | 28.1  |
| 265     | 22.8  | 16.7  | 25.1  |

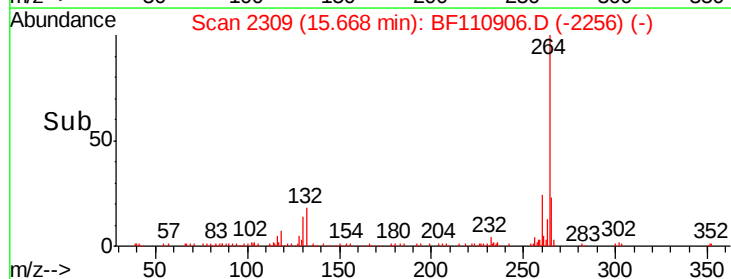
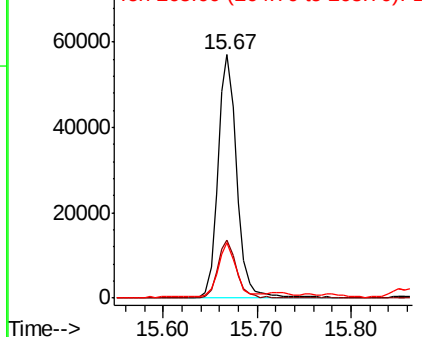


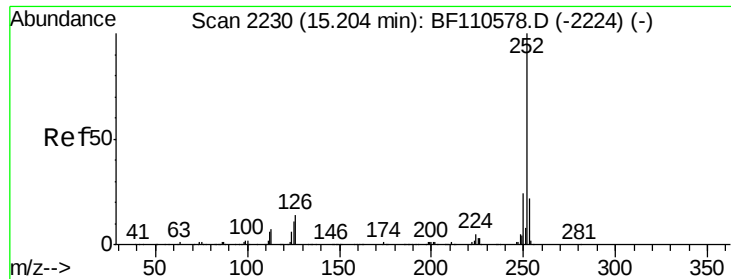
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





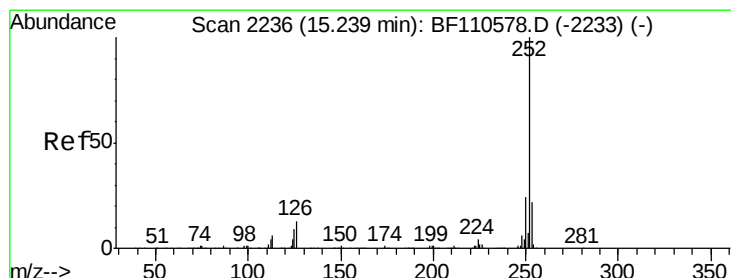
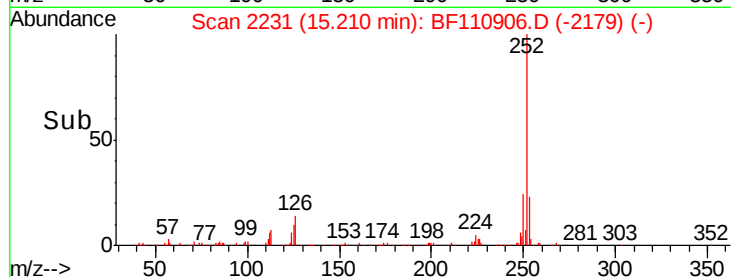
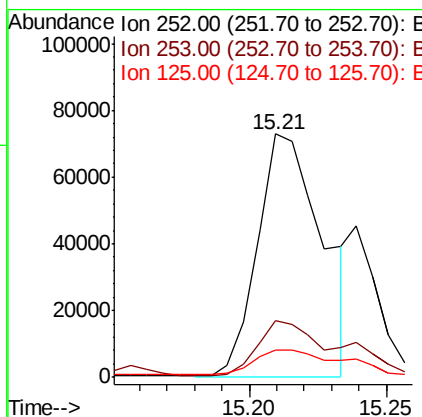
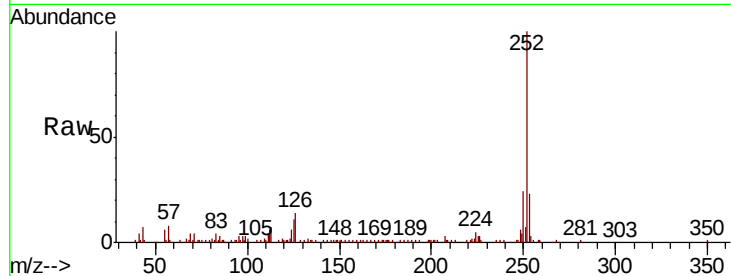
#88  
Benzo(b)fluoranthene  
Concen: 25.194 ng m  
RT: 15.21 min Scan# 2231  
Delta R.T. 0.01 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02(11-13)MSDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.4  | 17.2  | 25.8  |
| 125     | 11.2  | 8.2   | 12.4  |

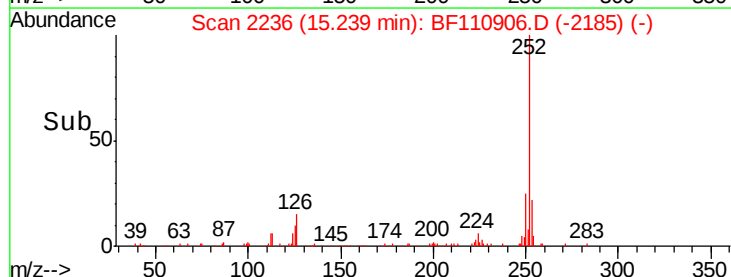
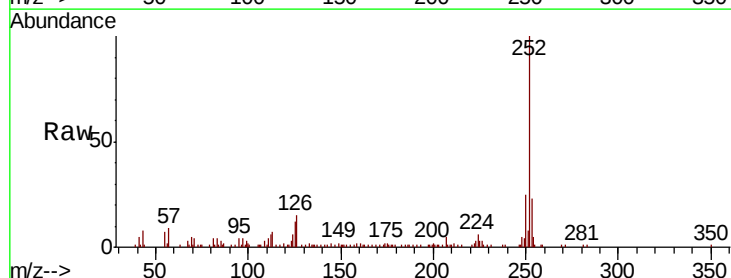
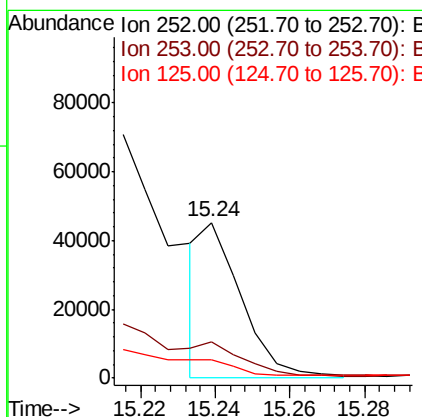
Manual Integrations  
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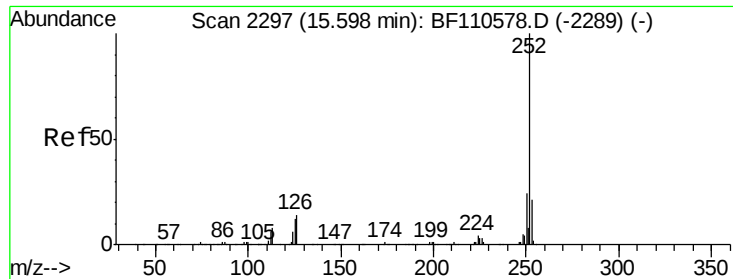
Sohil  
11/21/2018 3:18:11 PM



#89  
Benzo(k)fluoranthene  
Concen: 7.214 ng m  
RT: 15.24 min Scan# 2236  
Delta R.T. 0.00 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 17.2  | 25.8  |
| 125     | 12.1  | 7.4   | 11.0  |





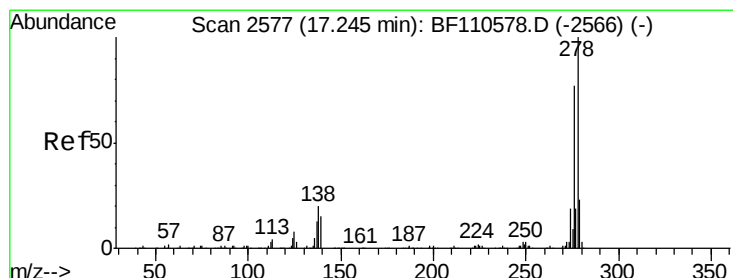
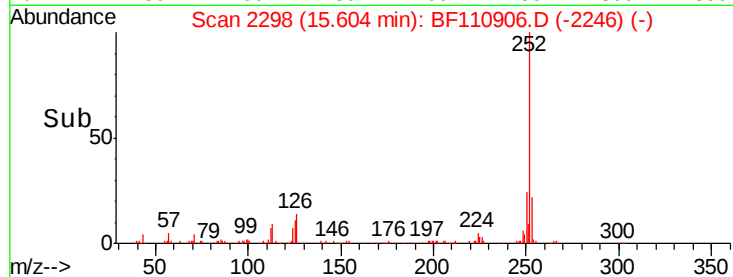
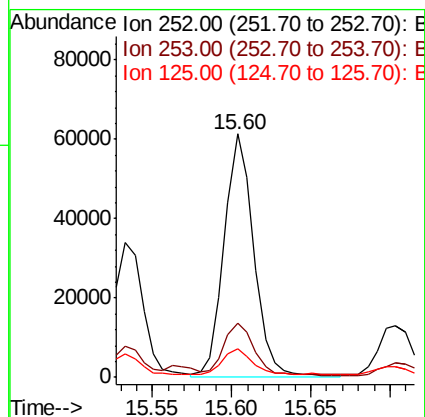
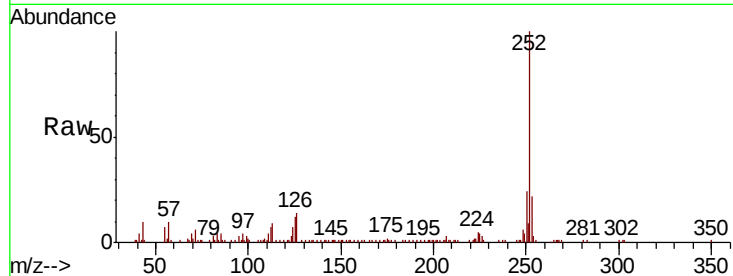
#90  
Benzo(a)pyrene  
Concen: 18.571 ng  
RT: 15.60 min Scan# 2298  
Delta R.T. 0.01 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02(11-13)MSDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.2  | 27.4  |
| 125     | 12.0  | 9.0   | 13.6  |

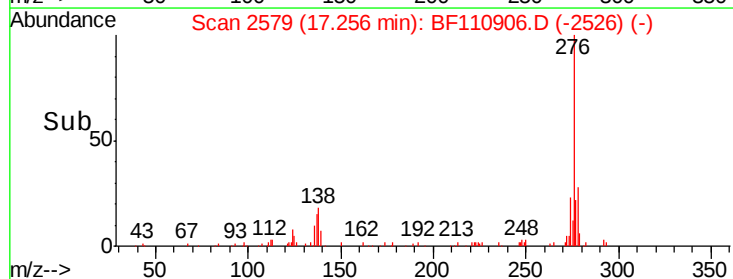
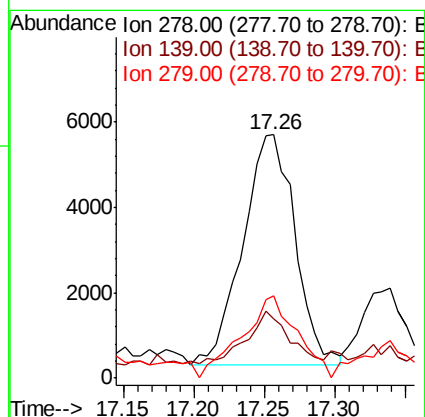
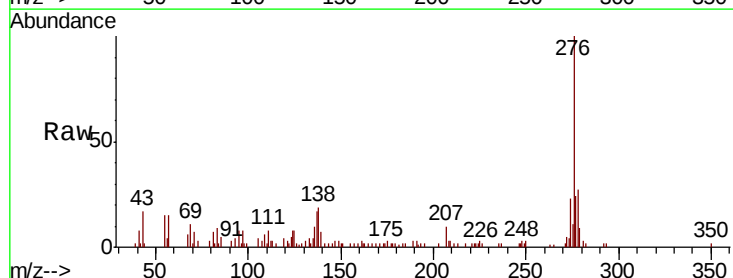
Manual Integrations  
APPROVED

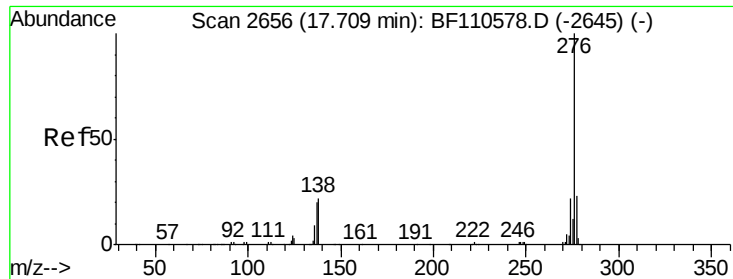
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11/21/2018 3:18:11 PM



#91  
Dibenzo(a,h)anthracene  
Concen: 3.812 ng  
RT: 17.26 min Scan# 2579  
Delta R.T. 0.01 min  
Lab File: BF110906.D  
Acq: 20 Nov 2018 20:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 24.1  | 12.7  | 19.1# |
| 279     | 33.7  | 19.0  | 28.4# |





#92  
 Benzo(a,h,i)perylene  
 Concen: 10.863 ng  
 RT: 17.74 min Scan# 2662  
 Delta R.T. 0.04 min  
 Lab File: BF110906.D  
 Acq: 20 Nov 2018 20:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DTW-02(11-13)MSDL

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 276     | 100  |       |       |       |
| 277     | 23.5 | 18.8  | 28.2  |       |
| 138     | 20.5 | 16.0  | 24.0  |       |

Manual Integrations  
 APPROVED

Sohil  
 11/21/2018 3:18:11 PM

